



AREA MAPPED
By J. F. Seitz—See U.S. Geol. Survey Bull. 1058-C

EXPLANATION

- QUATERNARY**
- Qs Surficial deposits
- JURASSIC(?) OR CRETACEOUS**
- KJg Granite
 - KJmd Mafic dike
 - KJqd Quartz diorite
 - KJd Diorite
 - Includes granodiorite and quartz diorite phases believed to be the same age and genesis as the diorite*
- MESOZOIC(?)**
- Mzs Stratified rocks
 - Includes interlayered sedimentary and volcanic rocks*
- AGE UNKNOWN**
- gb Gabbro
 - Stratigraphic position unknown*
 - E Graywacke and limestone
 - Stratigraphic position unknown*
- DEVONIAN**
- Middle Devonian*
- Dbu Black Cap limestone
 - Db, undifferentiated
 - Dbu, upper part
 - Dbu, lower part
 - ANGULAR UNCONFORMITY(?)*
- SILURIAN**
- Upper Silurian*
- Sr Rendu formation
 - Sp Pyramid Peak limestone
 - ANGULAR UNCONFORMITY(?)*
 - St Tidal formation
 - Includes intraformational limestone member, Stl*
 - Sw Willoughby limestone
- AGE UNKNOWN**
- mu Metamorphic rocks
 - Includes amphibolite and gneiss*
 - SU Sedimentary rocks
 - su (Db, St) denotes that rock units indicated in parentheses are present. Question mark after rock symbol indicates doubt as to correct identification*
- Geological Symbols**
- Migmatized area
 - Contact
 - Position of contacts is approximate; dotted where concealed*
 - Position of outer edge of terminal moraine
 - Fault
 - Dotted where concealed*
 - Anticline, showing trace of axial plane
 - Overtured anticline, showing trace of axial plane
 - Syncline, showing trace of axial plane
 - Strike and dip of beds
 - L indicates dip between 0° and 30°*
 - M indicates dip between 30° and 60°*
 - S indicates dip between 60° and 90°*
 - Strike of vertical beds
 - Horizontal beds
 - Strike and dip of foliation
 - L indicates dip between 0° and 30°*
 - M indicates dip between 30° and 60°*
 - S indicates dip between 60° and 90°*
 - Strike of vertical foliation
 - Direction of flow of relict glacial streams
 - Known mineralized area
 - Chemical symbol or mineral name indicates main element or mineral of economic importance*

GEOLOGIC MAP OF MOUNT FAIRWEATHER B-1, B-2, C-1, D-1, AND D-2 QUADRANGLES, ALASKA

Base from U. S. Geological Survey
topographic quadrangles, 1948

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—61159

Geology by D. L. Rossman, 1951 and 1954,
assisted by J. F. Seitz, 1951

SCALE 1:125 000

2 1 0 2 4 6 MILES

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

25g
APPROXIMATE MEAN
DECLINATION, 1962